

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/002506

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H01L33/00, G02F1/133, H05B37/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H01L33/00, H05B37/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Kobo	1922-1996	Jitsuyo Shinan Toroku Kobo	1996-2005
Kokai Jitsuyo Shinan Kobo	1971-2005	Toroku Jitsuyo Shinan Kobo	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2002-289374 A (Seiko Epson Corp.), 04 October, 2002 (04.10.02), Par. Nos. [0019] to [0025]; Figs. 1, 2, 4 (Family: none)	1,3,4,6,7 2,5,8-19
Y	JP 2002-344031 A (Matsushita Electric Industrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text; all drawings & US 2002/0130326 A	8-19
X	JP 2001-92391 A (Sanyo Electric Co., Ltd.), 06 April, 2001 (06.04.01), Par. Nos. [0014] to [0030]; Fig. 2 (Family: none)	1,3,4,7 2
Y		

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier application or patent but published on or after the international filing date
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Date of the actual completion of the international search
27 April, 2005 (27.04.05)Date of mailing of the international search report
17 May, 2005 (17.05.05)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2000-353823 A (TDK Corp.), 19 December, 2000 (19.12.00), Full text; all drawings (Family: none)	1,3,6,7 2
Y	JP 9-97925 A (Pioneer Electronic Corp.), 08 April, 1997 (08.04.97), Par. No. [0002]; Fig. 10 & US 5793163 A & EP 766221 A1	5